

gravelly limestone shores and cliffs from Quirpon Island to Ingorna-choix Bay. See pp. 54, 60, 79, 80.

Lamium purpureum L. Completely occupying a garden-site at head of Mauve Bay, *Fernald, Wiegand, Long, Gilbert & Hotchkiss*, no. 28,958, new to Newfoundland.

LIMOSELLA AQUATICA L. Shallow fresh pool back of beach, Harbour Breton, *Fernald, Long & Dunbar*, no. 27,013. Otherwise known in eastern America only from the southeastern corner of the Labrador Peninsula. See p. 87.

GRATIOLA AUREA Muhl. Gravelly margin of Junction Pond, Whitbourne, *Fernald, Long & Dunbar*, no. 27,014; discovered at the same station in 1911, *Fernald & Wiegand*, no. 6143; the only station known in Newfoundland. See p. 86. The material collected on August 8, 1911, and August 25, 1924, is very dwarf and shows no sign of flowering.

(To be continued)

LICHENS OF THE GASPÉ PENINSULA, QUEBEC.

CARROLL W. DODGE.

(Continued from p. 207.)

- * CLADONIA FOLIACEA (Huds.) Willd. var. ALCICORNIS (Lightf.) Schaer. Cap Rosier, *Macoun*.
- C. APODOCARPA Robbins. Big Chimney, Mt. Mattaouisse, *Dodge 2842*, Logan range.
- C. BOTRYTES (Hagen) Willd. Big Chimney, Mt. Mattaouisse, *Dodge 2843*, Logan range.
- C. BACILLIFORMIS (Nyl.) Vainio. Matane, *Dodge 2841*.
- C. CYANIPES (Sommerf.) Vainio var. DESPREAUXII (Bor.) Th. Fr. Big Chimney, Mt. Mattaouisse, *Dodge 2844*, Logan range.
- STEREOCAULON TOMENTOSUM Fr. R. Cap Chat, *Dodge 2150*; *Fernald Basin, Dodge 2159*; gorge, northeast branch of R. Ste. Annes des Monts, *Dodge 2160*; R. Ste. Anne des Monts, *Collins 4657*; Mt. Albert, *Collins 4177*; Cap Rosier, *Macoun*.
- S. DENUDATUM Floerke. Lac Perré, *Dodge 2689*, Tabletop range; between Lac Mont Louis and north branch of R. Madeleine, *Dodge 2634*; Mt. Albert, *Macoun*.
- * S. CONDENSATUM Hoffm. Fink list.
- S. PASCHALE (L.) Ach. Mt. Albert, *Collins 4063*.

GYROPHORACEAE

- GYROPHORA PROBOSCIDEA (L.) Ach. *Umbilicaria proboscidea* (L.) DC. Gaspé coast, *Macoun*; * Mt. Albert, *Macoun*; Mt. Dunraven, *Dodge 2861*, Tabletop range.
- G. ARCTICA Ach. *Umbilicaria proboscidea* (L.) DC. var. *arctica* (Ach.) Tuck. Mt. Dunraven, *Dodge 2862*, Tabletop range.
- G. HYPERBOREA Ach. *Umbilicaria hyperborea* (Ach.) Hoffm. Gorge, northeast branch of R. Ste. Anne des Monts, *Dodge 2616*.
- G. EROSA (Web.) Ach. *Umbilicaria erosa* (Web.) Hoffm. Mt. Dunraven, *Dodge 2859*, Tabletop range; * Mt. Albert, *Macoun*.
- G. VELLEA (L.) Ach. *Umbilicaria vellea* (L.) Nyl. Gorge, northeast branch of R. Ste. Anne des Monts, *Dodge 2300*, Tabletop range.
- G. POLYPHYLLA (L.) Hook. *Umbilicaria polyphylla* (L.) Schrad. Mt. Dunraven, *Dodge 2860*, Tabletop range.

ACAROSPORACEAE

- * BIATORELLA PRIVIGNA (Ach.) A. L. Smith. *Lecanora privigna* (Ach.) Nyl. R. Ste. Anne des Monts, *Macoun*.

COLLEMACEAE

- * COLLEMA RUPESTRIS (Sw.) Rabenh. *C. flaccidum* Ach. *Synechoblastus rupestris* (Sw.) Trev. Gaspé Basin and R. Ste. Anne des Monts, *Macoun*.
- * C. NIGRESCENS (Huds.) Ach. *Synechoblastus nigrescens* (Huds.) Anzi. R. Ste. Anne des Monts, *Macoun*.
- * C. PULPOSUM (Bernh.) Ach. R. Ste. Anne des Monts, *Macoun*.
- LEPTOGIUM PLICATILE (Ach.) Leighton. *C. plicatile* Ach. (sensu Tuck.) Gaspé coast, *Macoun 29, 31*.
- * L. LICHENOIDES (L.) Zahlbr. *L. lacerum* (Raeuschel) S. F. Gray. R. Ste. Anne des Monts, *Macoun*.
- L. TREMELLOIDES (L. f.) S. F. Gray. Gaspé, *Macoun 106*; * R. Ste Anne des Monts, *Macoun*.

PANNARIACEAE

- PSOROMA HYPNORUM (Dicks.) S. F. Gray. *Squamaria hypnorum* (Dicks.) Hook. *Pannaria hypnorum* (Dicks.) Koerb. Big Chimney, Mt. Mattaouisse, *Dodge 2848*, Logan range.
- PANNARIA RUBIGINOSA (Thunb.) Delise. Gaspé coast, *Macoun 22*; * R. Ste. Anne des Monts, *Macoun*.

- * *P. LEUCOSTICTA* Tuck. R. Ste. Anne des Monts, *Macoun*.
P. PEZIZOIDES (Web.) Trev. *P. brunnea* (Sw.) Massal. Gaspé coast, *Macoun* 20, 21; * R. Ste. Anne des Monts, *Macoun*.
 * *PLACYNTHIUM NIGRUM* (Huds.) S. F. Gray. *Pannaria nigra* (Huds.) Nyl. R. Ste. Anne des Monts, *Macoun*.
 * *PARMELIELLA CORALLINIOIDES* (Hoffm.) Zahlbr. *Pannaria tryptophylla* (Ach.) Massal. Gaspé county, *Macoun*.
 ? *P. MICROPHYLLA* (Sw.) Müll.-Arg. *Pannaria microphylla* (Sw.) Massal. Gaspé coast, *Macoun* 48.

STICTACEAE

- LOBARIA (RICASOLIA) LACINIATA* (Huds.) Vainio. *Sticta amplissima* (Scop.) Massal. R. Cap Chat, *Dodge* 2151; * R. Ste. Anne des Monts, *Macoun*.
L. (RICASOLIA) PULMONARIA (L.) Hoffm. *Sticta pulmonaria* (L.) Ach. R. Cap Chat, *Dodge* 2149; R. Ste. Anne des Monts, * *Macoun*, *Collins* 4645t.
 * *L. (LOBARINA) SCROBICULATA* (Scop.) DC. *Sticta scrobiculata* (Scop.) Ach. R. Ste. Anne des Monts, *Macoun*.
 * *STICTA (STICTINA) CROCATA* (L.) Ach. Gaspé coast, *Macoun*.

PELTIGERACEAE

- SOLORINA CROCEA* (L.) Ach. Mt. McNab, *Dodge* 2295, 2690; Mt. Dunraven, *Dodge* 2294, Tabletop range.
S. SACCATA (L.) Ach. R. Ste. Anne des Monts, *Dodge* 2298; Lac Pleureuse, *Dodge* 2299.
S. SPONGIOSA (Sm.) Carroll. *S. saccata* (L.) Ach. var. *spongiosa* (Sm.) Nyl. Gaspé coast, *Macoun* 85.
NEPHROMA (EUNEPHROMA) ARCTICUM (L.) Fr. summit Mt. Albert, *Macoun*, *Collins* 4177f; Mt. Mattaouisse and Mt. Collins, *Dodge* 2296, Logan range; gorge, northeast branch R. Ste. Anne des Monts, *Dodge* 2297, Tabletop range.
N. (NEPHROMIUM) LAEVIGATUM Ach. Lac Perré, *Dodge* 2632; gorge, northeast branch, R. Ste. Anne des Monts, *Dodge* 2187, Tabletop range; * Cap Rosier, *Macoun*.
N. (NEPHROMIUM) HELVETICUM Ach. R. Ste. Anne des Monts, *Macoun*.
PELTIGERA HORIZONTALIS (L.) Hoffm. Méchins-R. Cap Chat trail, *Dodge* 2309; island in Lac Perré, *Dodge* 2154, Tabletop range; * R. Ste. Anne des Monts, *Macoun*.

- * *P. POLYDACTYLA* (Neck.) Hoffm. Gaspé county, *Macoun*.
 * *P. VENOSA* (L.) Hoffm. R. Ste. Anne des Monts, *Macoun*.
P. APHTHOSA (L.) Willd. R. Cap Chat, *Dodge 2146, 2148, 2308*; Big Chimney, Mt. Mattaouisse, *Dodge 2768*, Logan range; * Gaspé coast, *Macoun*; R. Ste. Anne des Monts, *Collins 4645p, 4645u*.
P. MALACEA (Ach.) Fr. Tabletop range, *Collins 4400b*.
P. CANINA (L.) Hoffm. var. *SPONGIOSA* Tuck. Gorge, northeast branch R. Ste. Anne des Monts, *Dodge 2153*.

PERTUSARIACEAE

- PERTUSARIA MULTIPUNCTA* (Turn.) Nyl. * R. Ste. Anne des Monts, *Macoun*; between Mont Louis and Lac Mont Louis, *Dodge 2180*.
P. VELATA (Turn.) Nyl. Gaspé, *Macoun 128*.
 * *P. COMMUNIS* DC. R. Madeleine, *Macoun*.
P. LEIOPLACA (Ach.) Schaer. R. Cap Chat, *Dodge 2877*; * R. Ste. Anne des Monts, *Macoun*.
P. PUSTULATA (Ach.) Nyl. R. Cap Chat, *Dodge 2878*; * Gaspé coast, *Macoun*.
P. GLOMERATA (Ach.) Schaer. Mt. Albert, *Macoun 139*.
P. GLOBULARIS Ach. between Mt. Mattaouisse and Mt. Collins, *Dodge 2875*, Logan range; Mt. Dunraven, *Dodge 2876*, Tabletop range.

LECANORACEAE

- * *LECANORA MURALIS* (Schreb.) Schaer. var. *SAXICOLA* (Poll.) Schaer. R. Ste. Anne des Monts, *Macoun*.
L. FRUSTULOSA (Dicks.) Ach. Capucins, *Collins 4690c*.
 * *L. SORDIDA* (Pers.) Th. Fr. Mt. Albert, *Macoun*.
L. HAGENI Ach. Mt. Fortin, *Dodge 2801*, Logan range; Ste. Anne des Monts, *Dodge 2874*; * R. Madeleine, *Macoun*.
L. SUBFUSCA (L.) Ach. Matane, *Dodge 2888*.
L. TARTAREA (L.) Ach. Mt. Albert, *Macoun*.
 * *L. PALLESCENS* (L.) Schaer. Mt. Albert, *Macoun*.
L. CINEREA (L.) Sommerf. Gannett ledge, Bonaventure Island, *Collins 5263*.
 * *L. DUBITANS* (Nyl.) A. L. Smith. *L. dimera* (Nyl.) Th. Fr. Fink list.
L. POLYTROPA (Ach.) Schaer. *L. varia* (Hoffm.) Ach. var. *polytropa* Nyl. between Mt. Logan and Mt. Pembroke, *Dodge 2847*; Capucins, *Collins 4688a*.

- L. INTRICATA (Schrad.) Ach. *L. varia* (Hoffm.) Ach. var. *intricata* (Schrad.) Nyl. Mt. Albert, *Dodge 2872*.
- L. SYMMICTA Ach. *L. varia* (Hoffm.) Ach. var. *symmicta* Ach. Gaspé, *Macoun 120*; Gaspé coast, *Macoun 171, 174*.
- ICAMADOPHILUS ERICETORUM (L.) Zahlbr. *Baeomyces aeruginosus* (Scop.) DC. Fernald Basin, *Dodge 2290, 2293*, Logan range; Mt. Albert, *Dodge 2870*; gorge, northeast branch, R. Ste. Anne des Monts, *Dodge 2711*, Tabletop range.
- HAEMATOMMA VENTOSUM (L.) Massal. *Lecanora ventosa* (L.) Ach. Mt. Mattaouisse, *Dodge 2858*, Logan range; * Mt. Albert, *Macoun*.
- H. ELATINUM (Ach.) Koerb. *Lecanora elatina* Ach. Gaspé coast, *Macoun*; * R. Ste. Anne des Monts, *Macoun*. Var. **ochrophaea** (Tuck.) Dodge, n. comb. *Lecanora elatina* Ach. var. *ochrophaea* Tuck. Syn. N. Am. Lichens 1: 195. 1882. *Biatora ochrophaea* Tuck. Syn. Lich. N. E. 61-62. 1848. R. Ste. Anne des Monts, *Macoun*.

PARMELIACEAE

- PARMELIA PERLATA (Huds.) Ach. R. Ste. Anne des Monts, *Dodge 2631*.
- * P. TILIACEA (Hoffm.) Ach. R. Ste. Anne des Monts, *Macoun*.
- P. SAXATILIS (L.) Ach. between north fork of R. Madeleine and Lac Mont. Louis, *Dodge 2657*; R. Ste. Anne des Monts, *Macoun*. Var. LAEVIS Nyl. between Mt. Mattaouisse and Mt. Collins, *Dodge 2166*, Logan range; R. Cap Chat, *Dodge 2865*. Var. FURFURACEA Mudd. gorge, northeast branch R. Ste. Anne des Monts, *Dodge 2883*.
- * P. SULCATA Tayl. *P. saxatilis* (L.) Ach. var. *sulcata* (Tayl.) Nyl. Gaspé coast, *Macoun*.
- P. PHYSODES (L.) Ach. near Lac Perré, *Dodge 2849*, Tabletop range; R. Cap Chat, *Dodge 2863*; R. Ste. Anne des Monts, *Collins 46450*; Matane, *Dodge 2131, 2132*. * Var. OBSCURATA (L.) Ach. Fink list.
- * P. OLIVACEA (L.) Ach. Ste. Anne des Monts, *Macoun*.
- * P. CONSPERSA (Ehrh.) Ach. R. Ste. Anne des Monts, *Macoun*.
- P. CENTRIFUGA (L.) Ach. Mt. Dunraven, *Dodge 2864*, Tabletop range.
- CETRARIA ISLANDICA (L.) Ach. Mt. Mattaouisse, *Dodge 2161*. Var. TENUIFOLIA (Retz) Vainio (var. *crispa* Ach.). Mt. Albert, *Dodge 2626*; *Collins 4123, 4156b, 4177o, 4177p*. (The latter agrees best with *C. fastigiata* Delise from Newfoundland in Tuckerman Herb. This group needs revision.) Between Mt. Mattaouisse and Mt. Collins, *Dodge 2224*, Logan range.

- C. JUNIPERINA (L.) Ach. var. TERRESTRIS Schaer. Gaspé coast, *Macoun*; * summit, Mt. Albert, *Macoun*.
- C. PINASTRI (Ach.) S. F. Gray. *C. juniperina* (L.) Ach. var. *pinastri* Ach. Lac Perré, *Dodge 2176*; between Mont Louis and Lac Mont Louis, *Dodge 2175*.
- C. SÆPINCOLA (Ehrh.) Ach. Lac Perré, *Dodge 2177*; gorge, northeast branch, R. Ste. Anne des Monts, *Dodge 2633*, Tabletop range. This material agrees well with other alpine material determined as this species but not with more southern or lowland material.
- C. NIVALIS (L.) Ach. Mt. Albert, *Collins 4177h, 4179b*; Allen's Ravine, Mt. Albert, *Collins 4156a*.
- * C. CILIARIS (Ach.) Tuck. Ste. Anne des Monts, *Macoun*.
- C. FAHLUNENSIS (L.) Schaer. Le Viellard au Sud, *Dodge 2667*; Mt. Dunraven, *Dodge 2873*, Tabletop range; * summit Mt. Albert, *Macoun*.
- * C. CUCULATA (Bell.) Ach. summit Mt. Albert, *Macoun*.
- C. GLAUCA (L.) Ach. Gaspé coast, *Macoun*; Lac Perré, *Dodge 2850*, Tabletop range; * Ste. Anne des Monts, *Macoun*.
- * C. HIASCENS (Fr.) Th. Fr. summit Mt. Albert, *Macoun*.

USNEACEAE

- RAMALINA POLLINARIELLA Nyl. *R. pusilla* (Prev.) Tuck. var. *geniculata* (Hook. f. & Tayl.) Tuck. Matane, *Dodge 2133*.
- * *R. POLYMORPHA* Ach. Little Chlordorme, *Macoun*.
- R. FARINACEA* (L.) Ach. R. Cap Chat, *Dodge 2625*; between Mt. Pembroke and Couvert de Chaudron, *Dodge 2624*, Logan range; R. Ste. Anne des Monts, *Dodge 2691*.
- USNEA CAVERNOSA Tuck. Between Mont Louis and Lac Mont Louis, *Dodge 2640, 2641*.
- U. BARBATA (L.) Web. Lac Perré, *Dodge 2851*, Tabletop range. Var. STRICTA (Schaer.) R. H. Howe, between Mont Louis and Lac Mont Louis, *Dodge 2639*. Var. FILIPENDULA (Stirton) R. H. Howe, between Mont Louis and Lac Mont Louis, *Dodge 2638*. F. HIRTELLA Ach., between Mont Louis and Lac Mont Louis, *Dodge 2637*.
- U. PLICATA (L.) Web. * summit, Mt. Albert, *Macoun*; R. Ste. Anne des Monts, *Collins 4645a*.
- U. LONGISSIMA Ach. R. Cap Chat, *Dodge 2147*.
- *U. TRICHODEA Ach. Gaspé coast, *Macoun*.

- ALECTORIA JUBATA (L.) Ach. var. IMPLEXA (Hoffm.) Ach. Mt. Albert, *Macoun*; between Lac Mont Louis and the north fork of R. Madeleine, *Dodge 2630*.
- A. CHALYBEIFORMIS (L.) S. F. Gray. Mt. Dunraven, *Dodge 2627*.
- A. DIVERGENS (Ach.) Nyl. Mt. Dunraven, *Dodge 2675*.
- A. OCHROLEUCA (Ehrh.) Nyl. Summit of Mt. Albert, *Macoun, Dodge 2656*; Lac Perré, *Dodge 2853*, Tabletop range.
- A. NIGRICANS (Ach.) Nyl. Summit of Mt. Albert, *Macoun*.
- A. SARMENTOSA (Ach.) R. H. Howe. Gaspé, *Macoun*.
- A. BICOLOR (Ehrh.) Nyl. Mt. Albert, *Macoun*; Mt. Mattaouisse and Mt. Collins, *Dodge 2631*, Logan range; Lac Perré, *Dodge 2852*, Tabletop range.
- CERANIA VERMICULARIS (Sw.) S. F. Gray. *Thamnolia vermicularis* (Sw.) Schaer. Mt. Albert, *Collins 4177a*, * *Macoun*.

PLACODIACEAE

- PLACODIUM FERRUGINEUM (Huds.) Hepp, var. DISCOLOR Willey. Gaspé coast, *Macoun 182*.
- P. ELEGANS (Link) DC. * R. Madeleine, *Macoun*; Ste. Anne des Monts, *Dodge 2854*; Mt. Albert, *Dodge 2165, 2182*; Capucins, *Collins 4688d*.
- P. (BLASTENIA) RUPESTRE (Scop.) Branth & Rostr. R. Ste. Anne des Monts, *Macoun*.
- CANDELARIELLA VITELLINA (Ehrh.) Müll.-Arg. *Placodium vitellinum* (Ehrh.) Naeg. & Hepp. R. Ste. Anne des Monts, *Macoun*. Var. AURELLA (Ach.) A. L. Smith. Ste. Anne des Monts, *Dodge 2857*; * R. Ste. Anne des Monts, *Macoun*.

THELOSCHISTACEAE

- XANTHORIA PARIETINA (L.) Th. Fr. *Theloschistes parietinus* (L.) Norm. Gaspé coast, *Macoun 16*.
- X. POLYCARPA (Sm.) Oliv. *Theloschistes polycarpus* (Sm.) Tuck. Capucins, *Collins 4692a*.

PHYSICIACEAE

- * RINODINA TURFACEA (Wahl.) Th. Fr. Fink list.
- PHYSICIA CILIARIS (L.) DC. Gaspé coast, *Macoun 40*. Var. CRINALIS (Schleich.) Schaer. Cap Rosier, *Macoun 55*; Gannett Ledge, Bonaventure Island, *Collins 5268*.

- P. PULVERULENTA (Schreb.) Nyl. var. LEUCOLEIPTES Tuck. Little Fox River, *Macoun*.
- P. STELLARIS (L.) Nyl. Ste. Anne des Monts, *Macoun*.
- P. HISPIDA (Schreb.) Tuck. Ste. Anne des Monts, *Dodge 2856*; R. Cap Chat, *Dodge 2866*; between Mont Louis and Lac Mont Louis, *Dodge 2643*; Gaspé coast, *Macoun 56*.
- FARLOW HERBARIUM.

TWO ADDITIONS TO THE FLORA OF MASSACHUSETTS.—During the spring excursion of the New England Botanical Club in 1921 I was collecting with Hon. J. R. Churchill in Ashfield, in a swampy meadow at an elevation of about 1700 feet. Here I was much pleased to find numerous specimens of *Carex Michauxiana*, one of the less common sedges of New England. The plant is abundant at similar altitudes in the Green Mountains, notably at Woodford and Somerset in southern Vermont, and is likely to be found in other mountain meadows among the Berkshires.

While driving over the Mohawk Trail on May 19, 1925, I was attracted by the flowering Amelanchiers in a bog in Florida, between the two summits of the Trail. One of them I thought at first was *A. Bartramiana*, but it had more flowers than that species, and bore some resemblance to *A. laevis*, which was also abundant in the swamp, yet in spite of the resemblance it was strikingly different from either of those species. My determination of it was *A. intermedia*, afterward confirmed by Prof. K. M. Wiegand, who kindly examined a specimen for me. In general appearance while in bloom it is intermediate between *A. laevis* and *A. Bartramiana*. It is described in RHODORA, xii. 147-148, 1920.

Specimens of these two plants have been placed in the herbarium of the New England Botanical Club.—CLARENCE HINCKLEY KNOWLTON, Hingham, Massachusetts.

Vol. 28, no. 334, including pages 181 to 208, was issued 6 November, 1926.